

GenCore version 5.1.4_p5_4578
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OM protein - protein search, using sw model

Run on: April 16, 2003, 12:14:36 ; Search time 14 Seconds
(without alignments)
250.095 Million cell updates/sec

Title: US-10-015-967-2

Perfect score: 644
Sequence: 1 MKVLISLLLLPLPLMSMV.....SRACQFLKQCQLRSFALPL 119

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
1: Issued_Patents_AA.*
2: /cgn2_6/ptodata/1/1aa/5A.COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/5B.COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6A.COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/6B.COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/Backfilest1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	73.5	11.4	70	1 US-07-737-736B-3	Sequence 3, Appl
2	70	10.9	188	1 US-08-469-427A-11	Sequence 11, Appl
3	70	10.9	188	2 US-08-609-443B-11	Sequence 11, Appl
4	70	10.9	188	2 US-08-569-063C-11	Sequence 11, Appl
5	70	10.9	188	4 US-08-795-430-57	Sequence 57, Appl
6	70	10.9	188	4 US-08-851-896-11	Sequence 11, Appl
7	70	10.9	188	4 US-09-355-700-57	Sequence 57, Appl
8	69.5	10.8	446	1 US-08-307-444A-5	Sequence 57, Appl
9	69.5	10.8	446	1 US-08-587-389-5	Sequence 5, Appl
10	69.5	10.8	456	1 US-08-307-444A-3	Sequence 3, Appl
11	69.5	10.8	456	1 US-08-307-444A-4	Sequence 3, Appl
12	69.5	10.8	456	1 US-08-587-389-3	Sequence 3, Appl
13	69.5	10.8	456	1 US-08-587-389-4	Sequence 4, Appl
14	69.5	10.8	475	1 US-08-307-444A-1	Sequence 4, Appl
15	69.5	10.8	475	1 US-08-307-444A-2	Sequence 2, Appl
16	69.5	10.8	475	1 US-08-587-389-1	Sequence 2, Appl
17	69.5	10.8	475	1 US-08-587-389-2	Sequence 2, Appl
18	69.5	10.8	476	1 US-08-014-723-1	Sequence 1, Appl
19	69.5	10.8	476	1 US-08-014-723-2	Sequence 2, Appl
20	69.5	10.8	476	1 US-08-014-723-18	Sequence 18, Appl
21	69.5	10.8	476	1 US-08-110-011A-1	Sequence 1, Appl
22	69.5	10.8	476	1 US-08-110-011A-2	Sequence 1, Appl
23	69.5	10.8	476	1 US-08-110-011A-18	Sequence 18, Appl
24	69.5	10.8	494	1 US-08-014-723-14	Sequence 14, Appl
25	69.5	10.8	494	1 US-08-014-723-16	Sequence 16, Appl
26	69.5	10.8	494	1 US-08-110-011A-14	Sequence 14, Appl
27	69.5	10.8	494	1 US-08-110-011A-16	Sequence 16, Appl

28	69.5	10.8	497	1 US-08-312-870-3	Sequence 3, Appl
29	69.5	10.8	498	2 US-08-733-564-2	Sequence 2, Appl
30	69.5	10.8	575	1 US-08-261-206A-59	Sequence 59, Appl
31	69.5	10.8	575	1 US-08-312-870-1	Sequence 1, Appl
32	69.5	10.8	575	1 US-08-170-290A-54	Sequence 54, Appl
33	69.5	10.8	575	6 546668-6	Patent No. 546668
34	68.5	10.6	427	4 US-08-764-870-11	Sequence 11, Appl
35	62.5	9.7	414	1 US-09-199-637A-71	Sequence 71, Appl
36	62.5	9.7	414	1 US-08-255-471-9	Sequence 9, Appl
37	62	9.6	116	4 US-07-757-022B-98	Sequence 98, Appl
38	62	9.6	116	4 US-07-757-022B-110	Sequence 110, Appl
39	62	9.6	116	4 US-07-757-022B-120	Sequence 120, Appl
40	62	9.6	116	4 US-07-757-022B-138	Sequence 138, Appl
41	62	9.6	1038	4 US-07-757-022B-74	Sequence 74, Appl
42	62	9.6	1270	4 US-07-757-022B-44	Sequence 44, Appl
43	61.5	9.5	232	2 US-08-824-996-9	Sequence 9, Appl
44	61.5	9.5	252	1 US-08-052-205-9	Sequence 9, Appl
45	61.5	9.5	252	1 US-08-595-974-9	Sequence 9, Appl

ALIGNMENTS

RESULT 1
US-07-737-736B-3
; Sequence 3, Application US/07737736B
; Patent No. 5260199
; GENERAL INFORMATION:
; APPLICANT: Deluca, Hector F.
; APPLICANT: Ross, Troy K.
; APPLICANT: Prah, Jean M.
; TITLE OF INVENTION: Method Of Producing
; TITLE OF INVENTION: 1,25-Dihydroxyvitamin D3 Receptor Protein
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carl R. Schwartz, Esq., c/o Quarles & Brady
; STREET: 411 East Wisconsin Avenue
; CITY: Milwaukee
; STATE: Wisconsin
; COUNTRY: U.S.A.
; ZIP: 53202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/737,736B
; FILING DATE: 19910730
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Schwartz, Carl R.
; REGISTRATION NUMBER: 29,437
; REFERENCE/DOCKET NUMBER: 96-296-2185-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 414-277-5715
; TELEFAX: 414-277-5774
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 70 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Chicken
; PUBLICATION INFORMATION:
; AUTHORS: McDonald, Donald P.
; AUTHORS: Mangelsdorf, David J.
; AUTHORS: Pike, J. W.
; AUTHORS: Haussler, Mark R.

Db 116 LEEHSG-CECR-----PKKDSAVKPDSPRLCP-----RCTQHNRDPDRTC 157
Qy 102 ACOQFLKQCOLRSF 115
Db 158 RC-----RCRRRSF 166

RESULT 4

US-08-569-063C-11
; Sequence 11, Application US/08569063C
; Patent No. 5928939
; GENERAL INFORMATION:
; APPLICANT: ERIKSSON, Ulf
; APPLICANT: OLOFSSON, Birgitta
; APPLICANT: ALITALO, Kari
; APPLICANT: PAJUSOLA, Katri
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
; TITLE OF INVENTION: DNA CODING THEREFOR
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
; STREET: 1200 G Street, N.W., Suite 700
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/569,063C
; FILING DATE: 06-DEC-1995
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/469,427
; FILING DATE: 06-JUN-1995
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/397,651
; FILING DATE: 01-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: EVANS, Joseph D
; REGISTRATION NUMBER: 26,269
; REFERENCE/DOCKET NUMBER: 1064/41979CP3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-8800
; TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 188 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: NO
; ORIGINAL SOURCE:
; TISSUE TYPE: human fibrosarcoma
; US-08-569-063C-11

Query Match 10.9%; Score 70; DB 2; Length 188;
Best Local Similarity 28.4%; Pred. No. 0.97; 17; Indels 24; Gaps 5;
Matches 21; Conservative 12; Mismatches 17; Indels 24; Gaps 5;
Qy 43 LQSGGCECKDMLFARPKFMTVS-GLPKQSPDHFKNYKTRHNRHNRPNKHSR 101
Db 116 LEEHSG-CECR-----PKKDSAVKPDSPRLCP-----RCTQHNRDPDRTC 157
Qy 102 ACOQFLKQCOLRSF 115
Db 158 RC-----RCRRRSF 166

RESULT 5

US-08-795-430-57
; Sequence 57, Application US/08795430
; Patent No. 6130071
; GENERAL INFORMATION:
; APPLICANT: Alitalo, Kari
; APPLICANT: Joukov, Vladimir
; TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
; TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,430
; FILING DATE:
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR96/00427
; FILING DATE: 01-AUG-1996
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/671,573
; FILING DATE: 28-JUN-1996
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/601,132
; FILING DATE: 14-FEB-1996
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/585,895
; FILING DATE: 12-JAN-1996
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/510,133
; FILING DATE: 01-AUG-1995
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/340,011
; FILING DATE: 14-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Gaas, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 28967/33691
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 57:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 188 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-795-430-57

Query Match 10.9%; Score 70; DB 4; Length 188;
Best Local Similarity 28.4%; Pred. No. 0.97;
Matches 21; Conservative 12; Mismatches 17; Indels 24; Gaps 5;
Qy 43 LQSGGCECKDMLFARPKFMTVS-GLPKQSPDHFKNYKTRHNRHNRPNKHSR 101
Db 116 LEEHSG-CECR-----PKKDSAVKPDSPRLCP-----RCTQHNRDPDRTC 157
Qy 102 ACOQFLKQCOLRSF 115
Db 158 RC-----RCRRRSF 166

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RESULT 6
US-08-851-896-11
Sequence 11, Application US/08851896
Patent No. 6331301
GENERAL INFORMATION:
APPLICANT: ERIKSSON, Ulf
APPLICANT: OLOFSSON, Birgitta
APPLICANT: ALITALO, Kari
APPLICANT: PAJUSOLA, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, McKown, Edwards & Lenahan, P.L.L.C.
STREET: 1200 G Street, N.W., Suite 700
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/851,896
FILING DATE: 06-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/609,443B
FILING DATE: 01-MAR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/569,063
FILING DATE: 06-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: EVANS, Joseph D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 1064/41979CP4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 188 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ORIGINAL SOURCE:
TISSUE TYPE: human fibrosarcoma
US-08-851-896-11

Query Match 10.9%; Score 70; DB 4; Length 188;
Best Local Similarity 28.4%; Pred. No. 0.97; Indels 24; Gaps
Matches 21; Conservative 12; Mismatches 17;
43 LDGGGCECCKMFELAPRRKFWTVS-GLPKKCCPCDHFEGKGVKTRHNRHRRPKHSR 101
116 LEHHQ-CCCR-----PKKDSAVYRDSRPLCP-----KCIQHNRPRPRKC 157
QY 102 ACQQLFKQCQLRSF 115
DB 158 RC-----RCRRRSF 166

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: Sequence 57, Application US/09355700
: Patent No. 6361946
:
: GENERAL INFORMATION:
: APPLICANT: Ludwig Institute for Cancer Research
:                Helsinki University Licensing
:                Alltalo, Karl (U.S. only)
:                Joukov, Vladimir (U.S. only)
: TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
:                Protein and Gene, Mutants Thereof, and Uses Thereo
: NUMBER OF SEQUENCES: 59
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
: STREET: 6300 Sears Tower, 233 South Wacker Drive
: CITY: Chicago
: STATE: Illinois
: COUNTRY: United States of America
: ZIP: 60606-6402
: COMPUTER READABLE FORM:
: MEDIUM TYPE: floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/355,700
: FILING DATE: 05-NO. 6361946-1999
: CLASSIFICATION: <Unknown>
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/795,430
: FILING DATE: 05-FEB-1997
: APPLICATION NUMBER: PCT/E196/00427
: FILING DATE: 01-AUG-1996
: APPLICATION NUMBER: 08/671,573
: FILING DATE: 28-JUN-1996
: APPLICATION NUMBER: 08/601,132
: FILING DATE: 14-FEB-1996
: APPLICATION NUMBER: 08/585,895
: FILING DATE: 12-JAN-1996
: APPLICATION NUMBER: 08/510,133
: FILING DATE: 01-AUG-1995
: APPLICATION NUMBER: 08/340,011
: FILING DATE: 14-NOV-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Gass, David A.
: REGISTRATION NUMBER: 38,153
: REFERENCE/DOCKET NUMBER: 28967/34140
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 312/474-6300
: TELEFAX: 312/474-0448
:
: INFORMATION FOR SEQ ID NO: 57:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 188 amino acids
: TYPE: amino acid
: STRANDEDNESS: not relevant
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: SEQUENCE DESCRIPTION: SEQ ID NO: 57:
: US-09-355-700-57
:
: Query Match      10.9%; Score 70; DB 4; Length 188;
: Best Local Similarity 28.4%; Pred. No. 0.97;
: Matches 21; Conservative 12; Mismatches 17; Indels 24; Gaps 5;
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: QY      43  LQEGGQCECDWFLARARRKFMYS-GLPKKQCCDFKFGVKKTRRHRRKRNKHSR 101
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: Db      116  LEEHSQ-CECR-----PKKDSAVKPDSPRLCP-----KCTQHQRDPPTIC 157
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: QY      102  ACOQFLKOCQLRSE 115
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: Db      158  RC-----RCRRRSF 166

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US-08-307-444A-5
; Sequence 5, Application US/08307444A
; Patent No. 5516659
; GENERAL INFORMATION:
; APPLICANT: NII, ATSUSHI
; APPLICANT: MORISHITA, HIDEAKI
; APPLICANT: UEMURA, AKIO
; APPLICANT: MOCHIDA, EI
; TITLE OF INVENTION: ANTICOAGULANT POLYPEPTIDES
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OLIFF & BERRIDGE
; STREET: P.O. BOX 19928
; CITY: ALEXANDRIA
; STATE: VA
; COUNTRY: USA
; ZIP: 22320
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/307,444A
; FILING DATE: 19-SEP-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/835,436
; FILING DATE: 26-FEB-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OLIFF, JAMES A.
; REGISTRATION NUMBER: 27,075
; REFERENCE/DOCKET NUMBER: JAO 27706
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6400
; TELEFAX: (703) 836-2787
; TELEX: 90-1799 PTO ALEX
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 446 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
US-08-307-444A-5
Query Match 10.8%; Score 69.5; DB 1; Length 446;
Best Local Similarity 23.5%; Pred. No. 3.2;
Matches 24; Conservative 11; Mismatches 26; Indels 41; Gaps 5;
QY 5 ISSLLLLPIMMSVSSSLNPGVARGHRDRCQASRRW---LQEGGQECCKDWFRLRPR 61
DB 191 VSSSAVAPLGIQLMCTAP--PGAVGHWAR-EAPGAMDCSVENGCEHACN----- 239
QY 62 RKFMTVSGLPKQCP-----CDHF 80
DB 240 ---AIPGAPRCQCPAGALQADGRSCTASATQSCNDLCEHF 277
RESULT 9
US-08-587-389-5
; Sequence 5, Application US/08587389
; Patent No. 5695964
; GENERAL INFORMATION:
; APPLICANT: NII, ATSUSHI
; APPLICANT: MORISHITA, HIDEAKI
; APPLICANT: UEMURA, AKIO
; APPLICANT: MOCHIDA, EI
; TITLE OF INVENTION: TRUNCATED THROMBOKODULIN, RECOMBINANT
; PRODUCT OF INVENTION: PRODUCTION THEREOF, AND THERAPEUTIC AGENT (AS AMENDED)
; NUMBER OF SEQUENCES: 27

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OLIFF & BERRIDGE
; STREET: P.O. BOX 19928
; CITY: ALEXANDRIA
; STATE: VA
; COUNTRY: USA
; ZIP: 22320
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/587,389
; FILING DATE: 17-JAN-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/307,444
; FILING DATE: 19-SEP-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: OLIFF, JAMES A.
; REGISTRATION NUMBER: 27,075
; REFERENCE/DOCKET NUMBER: JAO 27706
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6400
; TELEFAX: (703) 836-2787
; TELEX: 90-1799 PTO ALEX
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 446 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
US-08-587-389-5
Query Match 10.8%; Score 69.5; DB 1; Length 446;
Best Local Similarity 23.5%; Pred. No. 3.2;
Matches 24; Conservative 11; Mismatches 26; Indels 41; Gaps 5;
QY 5 ISSLLLLPIMMSVSSSLNPGVARGHRDRCQASRRW---LQEGGQECCKDWFRLRPR 61
DB 191 VSSSAVAPLGIQLMCTAP--PGAVGHWAR-EAPGAMDCSVENGCEHACN----- 239
QY 62 RKFMTVSGLPKQCP-----CDHF 80
DB 240 ---AIPGAPRCQCPAGALQADGRSCTASATQSCNDLCEHF 277
RESULT 10
US-08-307-444A-3
; Sequence 3, Application US/08307444A
; Patent No. 5516659
; GENERAL INFORMATION:
; APPLICANT: NII, ATSUSHI
; APPLICANT: MORISHITA, HIDEAKI
; APPLICANT: UEMURA, AKIO
; APPLICANT: MOCHIDA, EI
; TITLE OF INVENTION: ANTICOAGULANT POLYPEPTIDES
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OLIFF & BERRIDGE
; STREET: P.O. BOX 19928
; CITY: ALEXANDRIA
; STATE: VA
; COUNTRY: USA
; ZIP: 22320
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/08/307,444A
APPLICATION NUMBER: US/08/307,444A
FILING DATE: 19-SEP-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/835,436
FILING DATE: 26-FEB-1992
ATTORNEY/AGENT INFORMATION:
NAME: OLIEF, JAMES A.
REGISTRATION NUMBER: 27,075
REFERENCE/DOCKET NUMBER: JAO 27706
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6400
TELEFAX: (703) 836-2787
TELEX: 90-1799 PTO ALEX
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 456 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-307-444A-3

Query Match 10.8%; Score 69.5; DB 1; Length 456;
Best Local Similarity 23.5%; Pred. No. 3.3;
Matches 24; Conservative 11; Mismatches 26; Indels 41; Gaps 5;

QY 5 ISSLLLLPLIMMSVSSINPGVARGHRDQASRRW---LOEGGQCECKDWFLRAPR 61
DB 191 VGSSAAVAPLGIQLMCTAP--PGAQGHWR--EAPGANDCSYENGCGHACN----- 239

QY 62 RKFTVSGLPKRCQ-----CDHF 80
DB 240 ---AIPGAPRCQCPAGALQADGRSCTASATQSCNDLCEHF 277

RESULT 11
US-08-307-444A-4
Sequence 4, Application US/08307444A
Patent No. 551659
GENERAL INFORMATION:
APPLICANT: NII, ATSUSHI
APPLICANT: MORISHITA, HIDEAKI
APPLICANT: UEMURA, AKIO
APPLICANT: MOCHIDA, EI
TITLE OF INVENTION: ANTICOAGULANT POLYPEPTIDES
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: OLIEF & BERRIDGE
STREET: P.O. BOX 19928
CITY: ALEXANDRIA
STATE: VA
COUNTRY: USA
ZIP: 22320
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/307,444A
FILING DATE: 19-SEP-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/835,436
FILING DATE: 26-FEB-1992
ATTORNEY/AGENT INFORMATION:
NAME: OLIEF, JAMES A.
REGISTRATION NUMBER: 27,075

REFERENCE/DOCKET NUMBER: JAO 27706
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6400
TELEFAX: (703) 836-2787
TELEX: 90-1799 PTO ALEX
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 456 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-307-444A-4

Query Match 10.8%; Score 69.5; DB 1; Length 456;
Best Local Similarity 23.5%; Pred. No. 3.3;
Matches 24; Conservative 11; Mismatches 26; Indels 41; Gaps 5;

QY 5 ISSLLLLPLIMMSVSSINPGVARGHRDQASRRW---LOEGGQCECKDWFLRAPR 61
DB 191 VGSSAAVAPLGIQLMCTAP--PGAQGHWR--EAPGANDCSYENGCGHACN----- 239

QY 62 RKFTVSGLPKRCQ-----CDHF 80
DB 240 ---AIPGAPRCQCPAGALQADGRSCTASATQSCNDLCEHF 277

RESULT 12
US-08-587-389-3
Sequence 3, Application US/08587389
Patent No. 5695964
GENERAL INFORMATION:
APPLICANT: NII, ATSUSHI
APPLICANT: MORISHITA, HIDEAKI
APPLICANT: UEMURA, AKIO
APPLICANT: MOCHIDA, EI
TITLE OF INVENTION: TRUNCATED THROMBOMODULIN, RECOMBINANT
TITLE OF INVENTION: PRODUCTION THEREOF, AND THERAPEUTIC AGENT (AS AMENDED)
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: OLIEF & BERRIDGE
STREET: P.O. BOX 19928
CITY: ALEXANDRIA
STATE: VA
COUNTRY: USA
ZIP: 22320
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/587,389
FILING DATE: 17-JAN-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/307,444
FILING DATE: 19-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: OLIEF, JAMES A.
REGISTRATION NUMBER: 27,075
REFERENCE/DOCKET NUMBER: JAO 27706
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6400
TELEFAX: (703) 836-2787
TELEX: 90-1799 PTO ALEX
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 456 amino acids
TYPE: amino acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: Protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-587-389-3

Query Match 10.8%; Score 69.5; DB 1; Length 456;
Best Local Similarity 23.5%; Pred. No. 3.3;
Matches 24; Conservative 11; Mismatches 26; Indels 41; Gaps 5;

OY 5 ISSLLLLPLMLMSVSSSLNPGVARGHRDGRGASRRW---LQEGGGECECKDMFLRAPR 61
DB 191 VGSSAAVAPLGLDMCTAP--PGA VGHMAR-EAPGAMDCSVENGGEHCACN----- 239

OY 62 RKFMVSGLPKKOCP-----CDHF 80
DB 240 ----AIPGAPRCQCPAGALQADGRSCTASATQSCNDLCHEF 277

RESULT 13

US-08-587-389-4
Sequence 4, Application US/08587389
Patent No. 5695964

GENERAL INFORMATION:

APPLICANT: NII, ATSUSHI
APPLICANT: MORISHITA, HIDEAKI

APPLICANT: UEMURA, AKIO

APPLICANT: MOCHIDA, EI

TITLE OF INVENTION: TRUNCATED THROMBOMODULIN, RECOMBINANT

TITLE OF INVENTION: PRODUCTION THEREOF, AND THERAPEUTIC AGENT (AS AMENDED)

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:

ADDRESSEE: OLIVE & BERRIDGE

STREET: P. O. BOX 19928

CITY: ALEXANDRIA

STATE: VA

COUNTRY: USA

ZIP: 22320

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/587,389

FILING DATE: 17-JAN-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/307,444

FILING DATE: 19-SEP-1994

ATTORNEY/AGENT INFORMATION:

NAME: OLIVE, JAMES A.

REGISTRATION NUMBER: 27,075

REFERENCE/DOCKET NUMBER: JAO 27706

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 836-6400

TELEFAX: (703) 836-2787

TELEX: 90-1799 PTO ALEX

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 456 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: NO

ANTI-SENSE: NO

US-08-587-389-4

OY 5 ISSLLLLPLMLMSVSSSLNPGVARGHRDGRGASRRW---LQEGGGECECKDMFLRAPR 61
DB 191 VGSSAAVAPLGLDMCTAP--PGA VGHMAR-EAPGAMDCSVENGGEHCACN----- 239

OY 62 RKFMVSGLPKKOCP-----CDHF 80
DB 240 ----AIPGAPRCQCPAGALQADGRSCTASATQSCNDLCHEF 277

RESULT 14
US-08-307-444A-1
Sequence 1, Application US/08307444A
Patent No. 5516659

GENERAL INFORMATION:

APPLICANT: NII, ATSUSHI

APPLICANT: MORISHITA, HIDEAKI

APPLICANT: UEMURA, AKIO

APPLICANT: MOCHIDA, EI

TITLE OF INVENTION: ANTICOAGULANT POLYPEPTIDES

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:

ADDRESSEE: OLIVE & BERRIDGE

STREET: P. O. BOX 19928

CITY: ALEXANDRIA

STATE: VA

COUNTRY: USA

ZIP: 22320

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/307,444A

FILING DATE: 19-SEP-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/835,436

FILING DATE: 26-FEB-1992

ATTORNEY/AGENT INFORMATION:

NAME: OLIVE, JAMES A.

REGISTRATION NUMBER: 27,075

REFERENCE/DOCKET NUMBER: JAO 27706

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 836-6400

TELEFAX: (703) 836-2787

TELEX: 90-1799 PTO ALEX

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 475 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: NO

ANTI-SENSE: NO

US-08-307-444A-1

Query Match 10.8%; Score 69.5; DB 1; Length 475;
Best Local Similarity 23.5%; Pred. No. 3.4;
Matches 24; Conservative 11; Mismatches 26; Indels 41; Gaps 5;

OY 5 ISSLLLLPLMLMSVSSSLNPGVARGHRDGRGASRRW---LQEGGGECECKDMFLRAPR 61
DB 209 VGSSAAVAPLGLDMCTAP--PGA VGHMAR-EAPGAMDCSVENGGEHCACN----- 257

OY 62 RKFMVSGLPKKOCP-----CDHF 80
DB 258 ----AIPGAPRCQCPAGALQADGRSCTASATQSCNDLCHEF 295

RESULT 15
US-08-307-444A-2

```

; Sequence 2, Application US/08307444A
; Patent No. 5516659
; GENERAL INFORMATION:
; APPLICANT: NII, ATSUSHI
; APPLICANT: MORISHITA, HIDEAKI
; APPLICANT: UEMURA, AKIO
; APPLICANT: MOCHIDA, EI
; TITLE OF INVENTION: ANTICOAGULANT POLYPEPTIDES
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OLIEF & BERRIDGE
; STREET: P. O. BOX 19928
; CITY: ALEXANDRIA
; STATE: VA
; COUNTRY: USA
; ZIP: 22320
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/307,444A
; FILING DATE: 19-SEP-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/835,436
; FILING DATE: 26-FEB-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OLIEF, JAMES A.
; REGISTRATION NUMBER: 27,075
; REFERENCE/DOCKET NUMBER: JAO 27706
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6400
; TELEFAX: (703) 836-2787
; TELEX: 90-1799 PRO ALEX
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 475 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; US-08-307-444A-2

Query Match 10.8%; Score 69.5; DB 1; Length 475;
Best Local Similarity 23.5%; Pred. No. 3.4;
Matches 24; Conservative 11; Mismatches 26; Indels 41; Gaps 5;

OY 5 ISSLLILPLMLMSVSSSLNPGVARGHDPQASRRW---LOEGGOECCCKDWFLRAPR 61
   : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 209 VGSSAAVAVLGIQLMCTAP--PGAVQGHWR--EAPGAWDCSVENGCGCHACN----- 257
   : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

OY 62 RKFWTVSGLPKRCOP-----CDHF 80
   : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 258 ----AIPGAPRCQCPAGALQADGRCTASATQSCNDLCEHF 295
   : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

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Search completed: April 16, 2003, 12:16:55
 Job time : 15 secs